

Algebra 2/Trigonometry

Radians

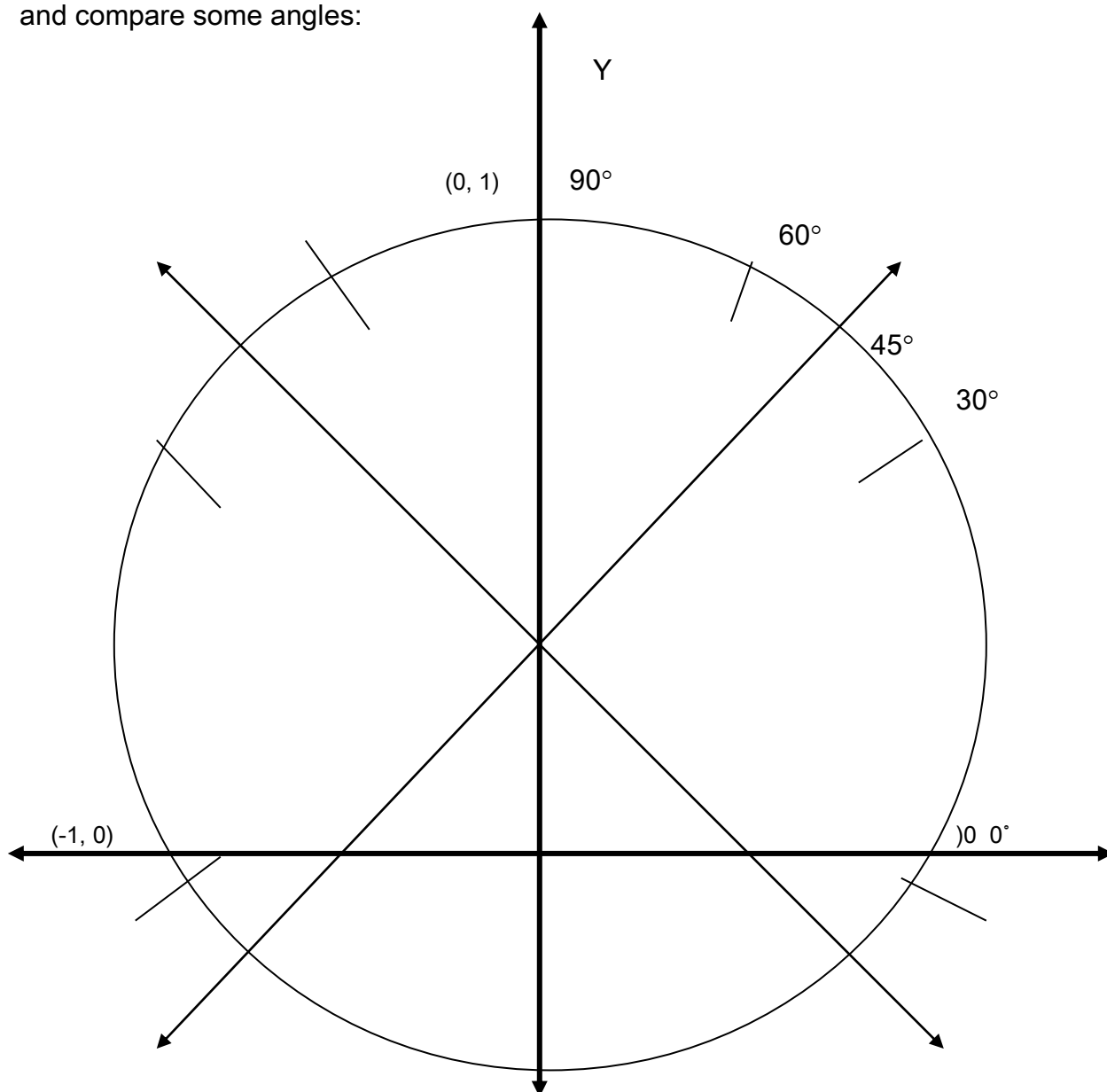
We know that: 2π radians = 360° , so $180^\circ = \pi$ radians.

Stated differently, the ratio of radians to degrees is

$$\frac{p \text{ radians}}{180^\circ}$$

and the ratio of degrees to radians is $\frac{180^\circ}{p \text{ radians}}$. Let's look at our unit circle

and compare some angles:



(1,0)



(0, -1)

θ in Degrees	θ in Radians	SIN θ	COS θ	Tan θ
0				
30				
45				
60				

90				
120				
135				
150				
180				
210				
225				
240				
270				
300				
315				

330				
360				